



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/041,760

01/10/2002

Bum-sik Yoon

1293.1181

3178

49455 7590 07/17/2007

STEIN, MCEWEN & BUI, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

EXAMINER

VENT, JAMIE J

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

07/17/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/041,760	Applicant(s) YOON ET AL.	
	Examiner Jamie Vent	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 9-11, 16-22 and 26-30 is/are rejected.
- 7) ☒ Claim(s) 5-8, 12-15 and 23-25 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01/01/02 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments filed April 23, 2007 have been fully considered but they are not persuasive. On pages 12-13 applicant argues that Ando fails to disclose the following limitation, "wherein each of the stream object units recording the content stream data, excluding a last stream object unit, has at least one entire application time stamp" as recited in independent Claim 1. Ando discloses in Column 37 Lines 37-41 the time information map and further discloses in Column 2 Lines 35+ that the data structure contains time stamps (ATS) and thereby meets the limitation. Additionally, applicant argues on pages 13-15 Ando fails to disclose the following limitation, "a size of the application packet is small enough so that each of the stream object units excluding the last stream object unit includes at least one entire application time stamp" as recited in Claim 2. This limitation is met in Column 2 Lines 49+. Examiner further notes that Lines 49+ is clearly meant to be lines 49-67 NOT the entire patent this is to be applied for arguments concerning Claims 17, 21, and 27. Additionally, applicant argue on pages 15 that Ando fails to disclose "wherein each of the stream object units, excluding a last stream object unit, includes at least one entire application time stamp, the SOBU generation unit makes the last stream object unit include the stuffing packet for correction, and the last stream object unit records the stuffing packet for correction continuously after a last application packet included in the stream object." As previously disclosed in the rejection Column 32 Lines 48+ describes the stream object unit and

Art Unit: 2621

thereby meets the claimed limitation. Additionally, applicant argues on page 16 that Ando fails to disclose the following limitation, "search information includes an Incremental Application Packet Arrival Time" as recited in Claim 27. As described in Column 32 Lines 48+ the packet arrival time allows for searching of the information basked on packet arrival. Furthermore, it is noted that although the words "search" may not appear in the recited portion the reference still teaches the process of the claimed language and thereby meets the recited claim language. Although, all of applicants points are understood the examiner can not agree and the rejection is maintained.

Allowable Subject Matter

[claims 5, 6, 7, 8, 12, 13, 14, 15, 23, 24, & 25]

Claims 5, 6, 7, 8, 12, 13, 14, 15, 23, 24, 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Art Unit: 2621

Claims 1-4, 9-11, 6-22, 26-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Ando (US 6,456,783).

[claims 1 & 9]

In regard to Claim 1, Ando discloses a recording medium on which content stream data is recorded as a stream object (Figure 1), comprising: one or more stream object units recording the content stream data, each having a predetermined size and one or more stream packs, each of the stream packs having at least part of an application time stamp indicating reproducing time information and an application packet (Figure 1 and described in Column 4 Lines 45+); corresponding to the application time stamp, in which the content stream data is packed (Figure 1 modified time stamp MTS as described in Column 5 Lines 15-20); wherein each of the stream object units recording the content stream data, excluding a last stream object unit, has at least one entire application time stamp (Column 8 Lines 37+ describes the time map).

[claims 2, 11, & 19]

In regard to Claims 2, 11, and 19, Ando discloses a recording medium of claim 1, wherein a size of the application packet is small enough so that each of the stream object units excluding the last stream object unit includes at least one entire application time stamp (Column 2 Lines 49+).

[claim 3]

In regard to Claim 3, Ando discloses a recording medium of claim 2, wherein the last stream object unit has a stuffing packet for correction, which includes a predetermined

Art Unit: 2621

time stamp, said stuffing packet is recorded continuously after a last application packet in the stream object (Column 9 Lines 45+ describes stuffing packet for correction).

[claim 4]

In regard to Claim 4, Ando discloses a recording medium of claim 3, wherein the predetermined time stamp is obtained by adding an integer to an application time stamp (Column 5 Lines 7-20 describes the predetermined time stamp).

[claims 10, 16, 18, 26, & 29]

In regard to Claims 10, 16, 18, 26, and 29, Ando discloses a recording apparatus recording a stream object formed with at least one stream object unit recording content stream data and having one or more stream packs, each of the stream packs having at least part of an application time stamp indicating reproducing time information and an application packet, corresponding to the application time stamp, in which the content stream data is packed, the recording apparatus comprising: a control unit generating a mapping list as search information (Column 32 Lines 48+ describes a reproducing time and application time stamp); a clock generation unit generating a clock value (Column 32 Lines 20+ describes the clock value through time management); a buffer unit buffering input content stream data, adding the clock value provided by the clock generation unit to the input content stream data, and outputting a result; a Stream Object Unit (SOBU) generating unit packing the content stream data output from the buffer unit and generating the stream object units recording the content stream data so that each of the stream object units, excluding a last stream object unit, includes at least one entire application time stamp (Column 32 Lines 48+ describes the stream object

unit); and a recording unit recording the generated stream object units for the recording and the mapping list (Column 33 Lines 1-35).

[claims 17, 28, & 30]

In regard to Claims 17, 28, and 30, Ando discloses a recording apparatus of claim 16, wherein each of the stream object units, excluding a last stream object unit, includes at least one entire application time stamp, the SOBU generation unit makes the last stream object unit include the stuffing packet for correction, and the last stream object unit records the stuffing packet for correction continuously after a last application packet included in the stream object (Column 32 Lines 48+ describes the stream object unit).

[claim 20]

In regard to Claim 20, Ando discloses a recording apparatus of claim 19, wherein the search information includes a mapping list (Figure 19 shows the mapping list of search information).

[claim 21]

In regard to Claim 21, Ando discloses a recording apparatus of claim 18, wherein the control unit generates search information by regarding a value which is obtained by adding an integer to an integer part of an application time stamp of a last stream pack in the stream object, as the value of the predetermined application time stamp (Column 32 Lines 20+ describes the search information regarding a value for adding an integer).

[claim 22]

In regard to Claim 22, Ando discloses a recording apparatus of claim 21, wherein a size of the application packet is small enough so that each of the plurality of stream object

recording units, excluding a last stream object recording unit, includes one entire application time stamp (Column 32 Lines 50+ describes the mapping information).

[claim 27]

In regard to Claim 27, Ando discloses a reproducing apparatus of claim 26, wherein the search information includes an Incremental Application Packet Arrival Time (Column 32 Lines 48+ describes the packet arrival time of the search information).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamie Vent whose telephone number is 571-272-7384. The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JJV



JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600